

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

## C-A OPERATIONS PROCEDURES MANUAL

### ATTACHMENT

#### 4.56.m SEB "A2" Primary Cave Sweep Checklist

C-A-OPM Procedures in which this Attachment is used.
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4.56		

#### Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: \_\_\_\_\_ ***Signature on File*** \_\_\_\_\_  
 Collider-Accelerator Department Chairman Date

P. Ingrassia

## SEB "A2" PRIMARY CAVE SWEEP CHECKLIST

(Team Leader)\_\_\_\_\_ (Operator 2)\_\_\_\_\_

Time:\_\_\_\_\_ Date:\_\_\_\_\_

### **Warning:**

**If** any personnel are encountered during the sweep, **then** they will remain with the sweeper or the sweep shall be aborted. **If** the sweep is aborted **then** the person(s) must be escorted out of the cave by unlocking and opening the "A2" Primary Cave Gate.

### Prerequisites

- Two Operators to perform the sweep
- BNL keys, Nos. 14, H693
- C-A-OPM-ATT 4.56.m-- SEB "A2" PRIMARY CAVE SWEEP CHECKLIST (1 page)
- Controlled Access enabled by simultaneous operation of H693 key switch & MCR\_2-1S2 push-button
- TLD, Alarming (chirping) Self Reading Dosimeter (SRD)

### Check

- \_\_\_\_ 1. Both Operators enter "A2" Primary Gate (BNL 14 key).

### **Warning:**

The gate cannot be locked behind you.

- \_\_\_\_ 2. Operator 2 stands static watch in labyrinth by standing next to A2D5.
- \_\_\_\_ 3. Team Leader sweeps to the right, (upstream) through the labyrinth and into the cave to A2Q7, where to the A2 cave ends.
- \_\_\_\_ 4. Team Leader sweeps downstream (beam left in A2) and searches under the A2 magnets.
- \_\_\_\_ 5. Team Leader searches under A2Q9 and the Decay tank, imbedded in the shielding, before re-entering the labyrinth.
- \_\_\_\_ 6. Team Leader sweeps downstream through the labyrinth, turns right and verifies that the mesh barrier under A2D5 is in place.
- \_\_\_\_ 7. Both Operators sweep through the A2 Primary Gate.
- \_\_\_\_ 8. Lock and reset (BNL 14 key) the "A2" Primary Gate.
- \_\_\_\_ 9. The following lights will be lit (check them off) on the gate reset station when the gate is reset:
- Door Switch
  - Bolt Switch
  - Emergency Switch
  - Reset
  - Redundant Door Switch
- \_\_\_\_ 10. Verify with MCR that A2 Primary Gate is reset by viewing the indicator at MCR\_2-1S9.
- \_\_\_\_ 11. File the checklists in the Completed Sweep Checklist Binder.